



Department of Commerce

Safety & Buildings Division

201 West Washington Avenue

P.O. Box 2658

Madison, WI 53701

Approval #

990065-U

Wisconsin Material Approval

Material

U-Fuel Express

Manufacturer

U-Fuel, Inc.
5110 Fairview Drive
Eau Claire, WI 54701

SCOPE OF EVALUATION

The U-Fuel Express aboveground automated fueling station has been evaluated as a system for retail fueling in accordance with NFPA 30 and NFPA 30A and the current edition of chapter Comm 10, the Wisconsin Flammable and Combustible Liquids Code.

DESCRIPTION AND USE

The U-Fuel Express is an automated aboveground fueling system designed for self-service use with credit cards. It is supplied to customers as a single unit including all appurtenances. The system is intended to be installed at department stores, grocery stores, and other businesses or areas needing retail fueling operations. The system may be installed in remote areas where motion sensors and video cameras provide monitoring to a security office which has the ability to communicate with the customer, control or shut down the system, and contact emergency personnel if necessary.

The U-Fuel Express consists of a concrete base pad, the tank and dispenser systems, prefabricated concrete side and end panels, canopies over the dispensers located at one or both ends and a fiberglass roofing system for the tank compartment.

TESTS AND RESULTS

The double-wall fire-resistant tank was tested by Southwest Research Institute in accordance with procedures contained in CFR 10, 73.71 (c) (4), testing for a hydrocarbon pool fire of 60 minutes duration.

LIMITATIONS OF APPROVAL

The system shall be placed so the dispensers are at least 50 feet from a building, 50 feet from a road, street, or public way and 100 feet from a property line that can be built upon, per section 2-4.2.2 of NFPA 30A.

All operational requirements in section 9-5 of NFPA 30A, 1996 edition or newer, shall be followed.

The security enclosure under **s. Comm 10.415 (5)** is not required for the U-Fuel Express System.

The entire fueling area shall be visible to employees carrying out their normal duties or a video camera system shall be installed such that employees can monitor the fueling area as part of their normal duties.

The U-Fuel Express System may be used for retail fueling only during hours it is observed or monitored.

Local authorities having jurisdiction may have additional requirements.

This approval will be conditional through December 31, 2000 to allow the department to monitor the use of this new system. If, in the judgement of the department, there are no design or equipment problems that result in unsafe use, this approval will continue to be valid through December 31, 2004. A re-examination may be initiated at any time by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The Department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement unless specified herein.

Reviewed by: _____

Approval Date: _____ By: _____

Duane Hubeler, P.E.

Code Consultant

Program Development Bureau

990065-U